

WHAT IS CLAIMED IS:

1. A portable apparatus that cleans an oxygen line.
2. The apparatus of claim 1, wherein at least two dimensions of the apparatus are no greater than about 36".
- 5 3. The apparatus of claim 1, wherein at least two dimensions of the apparatus are no greater than about 24".
4. The apparatus of claim 1, wherein no dimension of the apparatus is greater than about 24".
- 10 5. The apparatus of claim 1, wherein a weight of the apparatus is no greater than about 150 lbs.
6. The apparatus of claim 1, wherein a weight of the apparatus is no greater than about 100 lbs.
7. The apparatus of claim 1, wherein a weight of the apparatus is no greater than about 65 lbs.
- 15 8. The apparatus of claim 1, wherein the apparatus cleans the oxygen line to a purity of about 98% or more.
9. An apparatus that cleans a passage, comprising:
at least one connection device, one connection end of the connection device being adapted to connect to the passage; and
20 at least one pump connected to another connection end of the connection device, the at least one pump circulating a silicated alkaline cleaner through the passage.
10. The apparatus of claim 9, further comprising a filter that filters the silicated alkaline cleaner.
- 25 11. The apparatus of claim 9, wherein the at least one pump circulates a rinse medium through the passage.
12. The apparatus of claim 11, further comprising a filter that filters the rinse medium.

13. A method for cleaning an oxygen line, comprising:
providing a portable oxygen line cleaning apparatus;
connecting the oxygen line to the portable oxygen line cleaning
apparatus; and
5 passing a cleaning medium through the oxygen line via the portable
oxygen line cleaning apparatus.
14. The method of claim 13, further comprising passing a rinse medium
through the oxygen line.
15. A method for cleaning a passage, comprising passing a silicated
10 alkaline cleaner through the passage.
16. The method of claim 15, wherein the step of passing the silicated
alkaline cleaner through the passage is continued for a predetermined time.
17. The method of claim 16, wherein the predetermined time is about 15
minutes or more.
18. The method of claim 15, further comprising passing a rinse medium
15 through the passage.
19. The method of claim 18, wherein the step of passing the rinse medium
through the passage is continued for a predetermined time.
20. The method of claim 19, wherein the predetermined time is about 15
20 minutes or more.
21. The method of claim 18, further comprising flushing the passage prior
to passing the rinse medium through the passage.
22. The method of claim 21, wherein the rinse medium is recirculated, and
wherein the flushing comprises:
25 passing a flush medium through the passage; and
discarding the flush medium.
23. The method of claim 22, wherein the rinse medium is a same medium
as the flush medium.
24. The method of claim 18, wherein the rinse medium is distilled water.
25. The method of claim 18, further comprising obtaining a purity level of
30 the passage by obtaining a purity level of the rinse medium after passing the rinse
medium through the passage.

26. The method of claim 25, wherein the purity level of the rinse medium is obtained based on a pH level of the rinse medium.

27. The method of claim 18, further comprising:

5 obtaining a purity level of the rinse medium prior to passing the rinse medium through the passage;

obtaining a purity level of the rinse medium after passing the rinse medium through the passage; and

determining whether the purity level has changed by more than a specified level.

10 28. The method of claim 27, wherein the purity level is obtained by obtaining a pH level, and the specified level is a pH level of about 0.3.

29. The method of claim 27, further comprising repeating the step of passing the silicated alkaline cleaner through the passage when the purity level has changed by more than the specified level.

15 30. The method of claim 15, further comprising recirculating the silicated alkaline cleaner.

31. The method of claim 30, further comprising filtering the silicated alkaline cleaner.

20 32. The method of claim 15, wherein the passage comprises an oxygen line.

33. The method of claim 15, further comprising securing the passage in a clean state by performing one or more of:

blowing the passage dry with a gas; and

sealing openings of the passage.

25 34. The method of claim 33, wherein the gas is oil-free nitrogen.

35. The method of claim 15, wherein the silicated alkaline cleaner is OCC.